

MODIS TECHNICAL TEAM MEETING

March 25, 1999

Vince Salomonson chaired the MODIS Technical Team Meeting. Present were Ken Anderson, Bill Barnes, Barbara Conboy, Wayne Esaias, Al Fleig, Bruce Guenther, Dorothy Hall, Steve Kempler, Michael King, Greg Leptoukh, Ed Masuoka, Bob Murphy, Dan Tarpley (NOAA), and Eric Vermote, with Deborah Howard taking the minutes.

1.0 SCHEDULE OF EVENTS

MODLAND/SDST Meeting (GSFC)	March 30–31, 1999 Building 28, Room E210
Oceans Discipline Group Meeting (Miami, FL)	April 12–13, 1999
PI Processing Meeting (GSFC)	April 14, 1999, 9:30 a.m. Building 28, Room E210
Next MODIS Science Team Meeting (Greenbelt, MD)	May 4–5, 1999 Greenbelt Marriott Hotel
PI Processing Meeting (GSFC)	May 12, 1999, 9:30 a.m. Building 28, Room E210
SAFARI Validation/Coordination Meeting (Boulder, CO)	May 12–14, 1999
Mini-SWAMP Meeting at EOS-IWG (Vail, CO)	June 15–17, 1999
SAFARI Program Implementation Meeting (Gaborone, Botswana)	July 26–30, 1999

2.0 MINUTES OF THE MEETING

2.1 Snow and Ice

Dorothy Hall presented slides based on NOAA-15 data. She explained that an algorithm that is very similar to the MODIS algorithm was applied to the NOAA-15 data and that it showed that the algorithm is working. Slide 1 showed a view from March 11, resulting from the March 9 snowstorm affecting the East Coast of the U.S. Slide 2 showed the snow map, and slide 3, snow cover based on National Operational Remote Sensing Center

(NORSC) data. Hall said the MODIS products will look better than the products shown on these viewgraphs because they will utilize the land-water mask and the cloud mask. She also presented a fourth slide that illustrated how the MODIS enhanced algorithm maps snow in forested areas. This corresponds well with the NORSC data. Hall said that she, along with George Riggs and Jon Barton, are working on an 8-day composite and reported that the MODIS algorithm is working well.

2.2 Instrument Report

Ken Anderson reported about the power supply fix at Torrance; the instrument will be back together early in April. Anderson confirmed that the Terra launch has been rescheduled for July 28.

Bruce Guenther said that the FM1 thermal vacuum has not yet been done and that it is not yet clear what MODIS will do regarding RVS. The flight operations team continues to participate in readiness reviews and E-T-E tests. The E-T-E test is on schedule, however there is no extra time built into that schedule.

Salomonson asked about the March and April E-T-E tests. The March test includes flight operations to White Sands to the DAAC and the April test starts at White Sands, goes to the DAAC, then to MODAPS and back to the DAAC. The latter will involve manual intervention.

Guenther commented that Jim Young at Santa Barbara has raised some questions about FM1 data sets, however, these do not seem to be an issue.

Bill Barnes noted that the pre-ship review is scheduled for April 6–7, 1999.

2.3 SDST Report

Ed Masuoka reported that SDST is working with the ECS contractor to schedule a test of the SIPS Interface involving data product transfer between MODAPS and the ECS system using the resources in the VATC (Verification and Acceptance Test Center) at Raytheon facility in Landover, MD.

Masuoka reported that the MODAPS N-Day test should be in production tomorrow (March 26, 1999). Although there have been some bugs, it looks like they are cleared.

2.4 GDAAC Report

Steve Kempler reviewed GDAAC Notes for the MODIS Technical Team Meeting dated 3/25/99 (Attachment 1). Kempler introduced Greg Leptoukh who is the new MODIS support team lead at the GDAAC. The SSIT lead stays the same and will report to Leptoukh.

2.5 Oceans Reports

Wayne Esaias asked about progress on the subsetter for Miami. Masuoka replied that it is fine and expects it to be done in a June timeframe.

Esaias reported that the Oceans Discipline Group Meeting is scheduled for April 12–13 in Miami. Topics planned for the first day of the meeting include Code and Products and the focus for the second day is a Validation Meeting where the Oceans group plans to revise their validation plan. Esaias also mentioned that an Oceans group validation cruise is planned for the first week in October 1999.

Esaias reported that all revised Oceans ATBDs will be turned in by the end of April; some have already been completed. He said that regarding data products, the ESDT issue is being remedied. He is working with Leptoukh at the DAAC to reconcile Miami's use of MODIS codes and SeaWifs data. Esaias said the Oceans group plans to discuss 2-day versus 1-day products at the upcoming MODIS Science Team Meeting.

Esaias asked to whom Bob Woodward should send revised ATBDs. Michael King replied that they should be sent to Steve Graham (smgraham@pop900.gsfc.nasa.gov).

2.6 Pre-N Day Test

Eric Vermote reported good news regarding the pre-N day test (2 hours of data). There were only some minor problems that were fixed very quickly.

2.7 NASA–NOAA Data Release Agreement

Salomonson asked about the NOAA response to a proposed NASA–NOAA data release agreement. Helen Wood at NOAA suggested that the Satellite Products and Services Review Board (SPSRB), and the Product Oversight Panels (POPs) review any products before they were released by NOAA. Dan Tarpley commented that Wood proposes to treat the MODIS products as operational products; Tarpley assumed that the MODIS products would be treated as experimental, which would be a faster process. Murphy commented that Wood stated that a formal agreement would be unnecessary to distribute MODIS products. Murphy said he is more concerned about start-up products and it seems that Wood is more concerned about ongoing distribution. Murphy's concern is that with no written/formalized agreement it's up to NOAA when they distribute data. The POP would recommend to the SPSRB when a product was ready for distribution; NASA has been invited to participate in the POP panels. A response to NOAA/Helen Wood will be developed as soon as possible.

2.8 MAST Report

Barbara Conboy reported that the next Science Team Meeting is scheduled for May 4–5 at the Greenbelt Marriott Hotel. She said that the hotel is requiring that the MODIS groups must be out of the rooms every day by 5pm.

3.0 ACTION ITEMS

3.1 Action Items Carried Forward

1. Barnes: Work with Wayne Esaias to complete the written and viewgraph versions of the Oceans Validation Plan.

2. Murphy: Create a mechanism for coordinating MODIS operations and other schedules that includes an interactive listing. It should be more than a passive posting of schedules on the World Wide Web. Such an interactive schedule could be used by MODIS science discipline teams to coordinate field campaigns or by the operations group to coordinate MODIS activities with the other Terra instruments' activities.

Status: This item remains open.

3. Murphy: Clarify the data release agreements between NASA and NOAA on MODIS data, including MODIS requirements and which of these requirements NOAA will accommodate. Discuss these items with Legg and Tarpley of NOAA.

Status: This item remains open. Draft MOU is being worked by Murphy, Tarpley, Legg, and Masuoka.

4. Conboy and Howard: Plan for the next MODIS Science Team meeting in May.

Status: This item remains open.

5. Heney and Howard: Develop a weekly MODIS news page linked to the MODIS home Web site. It should include hot items and reflect weekly progress.

Status: This item remains open.

6. Murphy: Follow up on the status of the PI Processing working agreement with ESDIS.

Status: This item remains open. The conveyance memo from SDDT's and Discipline leaders will be signed this week (the week of March 8–12).

7. Murphy: Investigate the status of direct broadcast and present an update to the Technical Team.

Status: This item remains open.

8. Murphy: Coordinate a MODIS approach for radiance-to-brightness temperature conversions.

Status: This action remains open.

9. Masuoka: Submit an EOS-PM Data Product Update to ESDIS.

Status: This action item remains open.

10. Masuoka: Examine status of DAO ancillary products for MODIS.

Status: This item remains open.

3.2 Closed Action Items

1. Evans and Eicorn: Look into what can be done at Valley Forge without taking the instrument off the spacecraft.

Status: This item is closed. No feasible solution was found.

2. Conboy: Work with Murphy on a launch invitation list; invite PAO to participate.

Status: This item is closed. Conboy submitted the MODIS Terra Launch Invitation.

3. Guenther: Deliver a schedule for an earlier date on Level 1 code. In addition work on, if possible, a more modularized version of the Level 1B code to minimize any problems from forthcoming software changes.

Status: This item is closed. Guenther provided this schedule to an early January premeeting to the SDDT meeting held on January 13.